



# Anti-GNG5 (aa 1-64) polyclonal antibody (DPAB-DC1396)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925].[supplied by OMIM, Nov 2010]
<b>Immunogen</b>	GNG5 (NP_005265, 1 a.a. ~ 64 a.a) partial recombinant protein with GST tag. The sequence is  MSGSSSVAAMKKVVQQLRLEAGLNRVKVSQAAADLKQFCLQNAQHDPLLTGVSSSTNPFR PQKV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GNG5 guanine nucleotide binding protein (G protein), gamma 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	GNG5
<b>Synonyms</b>	GNG5; guanine nucleotide binding protein (G protein), gamma 5; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5;
<b>Entrez Gene ID</b>	<a href="#">2787</a>
<b>Protein Refseq</b>	<a href="#">NP_005265</a>
<b>UniProt ID</b>	<a href="#">P63218</a>
<b>Chromosome Location</b>	1p22
<b>Pathway</b>	ADP signalling through P2Y purinoceptor 1; Activation of G protein gated Potassium channels; Activation of Kainate Receptors upon glutamate binding; Alcoholism
<b>Function</b>	GTPase activity; PDZ domain binding; signal transducer activity;